

USACE Comments

Previous USACE Comments:

Reach 25 - Los Angeles River: This reach extends from about 900 feet upstream of Willow Street bridge to about 1000 feet downstream of the Pacific Coast Highway bridge. Your analysis concluded that this reach has excess flow capacity and that additional vegetation in the form of four additional Willow trees would be allowed to grow and mature at the edge of water. From the technical presentation meeting on 24 June, it was presented that there exists some 20 to 30 Willow trees in the river in various patches.

We have 3 major comments:

(a) This reach is a Federally-constructed flood control facility and was turned-over to the Los Angeles County Flood Control District (LACFCD) for Operation and Maintenance (O&M). An accompanying O&M Manual was provided to the LACFCD to stipulate the O&M requirements to insure that the facility continues to properly function as designed. In short from the O&M manual, the channel should be maintained such that the channel is clear of debris, weeds, and wild growth that would impede flow conveyance. This statement would indicate that no vegetation is allowed in this reach. Vegetation removal would be the required maintenance.

(b) Your analysis indicated that this reach has excess capacity with the vegetation in place. My review of the 2004 Storm Water Plan provided to the LACFCD indicates that freeboard is just at the minimum values. Given the recent upgrade to the project to increase flow capacity, your analysis does not appear consistent with our report. We would like to opportunity review your hydraulic analysis to confirm your analysis.

(c) The reach of the channel is leveed and therefore must comply with the Corps of Engineers' criteria on Vegetation Free Zone as described the Corps of Engineers - Engineering Technical Letter ETL 1110-2-571, dated 10 April 2009. In general, the guidance calls for no trees and vegetation a distance of 15 feet from the toe on both the river side and land side of the levee. It is unclear from the report if the existing condition is free of vegetation.



**OPERATION, MAINTENANCE,
REPAIR, REPLACEMENT,
AND
REHABILITATION MANUAL**

LOS ANGELES COUNTY DRAINAGE AREA
CALIFORNIA

DECEMBER 1999

LOS ANGELES DISTRICT, CORPS OF ENGINEERS
LOS ANGELES, CALIFORNIA



United States Army Corps of Engineers
OPERATION, MAINTENANCE, REPAIR, REPLACEMENT,
AND
REHABILITATION MANUAL

Los Angeles County Drainage Area

1999

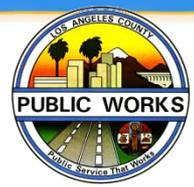
Section III

REVIEW AND REPORTING REGULATIONS

10. Project Review. Federal regulations require that no improvement or construction within the project right-of-way or change in any feature of the flood control facilities be made without prior determination by the District Engineer or his authorized representative, and that the improvement or alteration will not adversely affect the structural integrity of the channel and appurtenant facilities, the hydraulic functioning of the flood control facilities (such as causing a change to the water surface profile or introducing wave action), nor violate environmental agreements. This responsibility includes all determinations concerning multi-purpose uses of the project. The regulations also imply a corollary responsibility which requires inspection and supervision of work at all stages of construction to insure that such work adheres to proper engineering standards. These responsibilities are categorized as the project review function. Any improvements or construction within the project right-of-way or change in any feature of the flood control facilities must also be authorized by the Regulatory Branch if the work involves discharges of dredged or fill material (includes excavation) into waters of the United States, or involves work or structures in or affecting navigable waters of the United States.



Hydraulic Roughness - Manning's n-Value Review



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